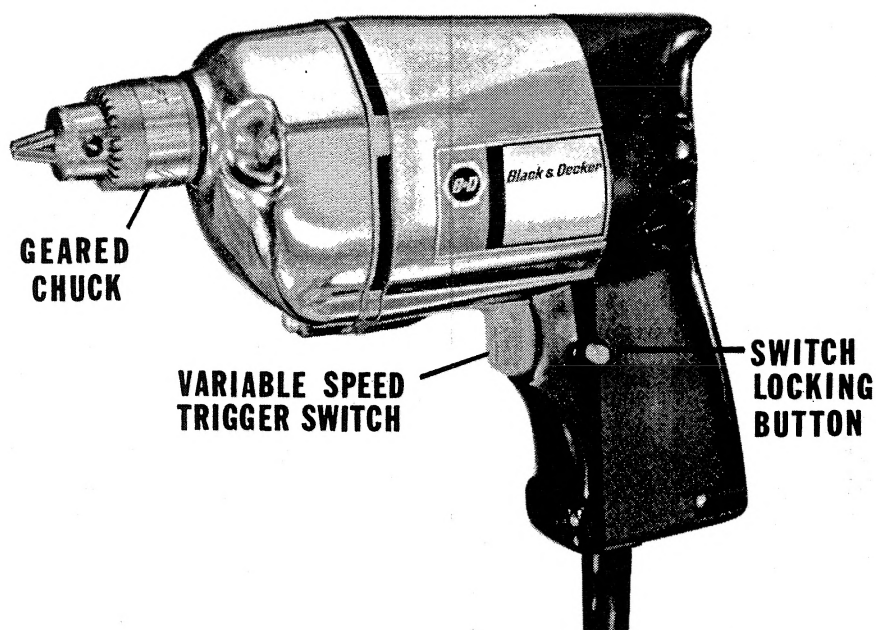




# ***Black & Decker***

## **OWNER'S MANUAL**

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**1/4" DRILL #1015**

**VARIABLE SPEED SWITCH**

0 to 2250 R.P.M. Capacity: 1/4" holes in steel; 1/2" in hardwood. 115 Volts A.C. 2 Amps. 1/7 H.P.

**3/8" DRILL #1161**

**VARIABLE SPEED SWITCH**

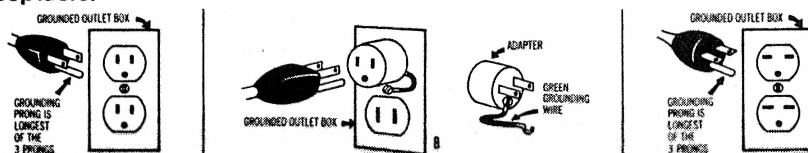
0 to 1000 R.P.M. Capacity: 3/8" holes in steel; 3/4" in hardwood. 115 Volts A.C. 2.2. Amps. 1/7 H.P.

## SAFETY RULES FOR POWER TOOLS

1. **KNOW YOUR POWER TOOL** — Read owner's manual carefully. Learn its applications and limitations as well as the specific potential hazards peculiar to this tool.
2. **GROUND ALL TOOLS — UNLESS DOUBLE-INSULATED.** If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If adapter is used to accommodate two-prong receptacle, the adapter wire must be attached to a **known ground**. **Never** remove third prong.
3. **KEEP GUARDS IN PLACE** and in working order.
4. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
5. **AVOID DANGEROUS ENVIRONMENT.** Don't use power tool in damp or wet locations. And keep work area well lit.
6. **KEEP CHILDREN AWAY.** All visitors should be kept safe distance from work area.
7. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, high or locked-up place — out of reach of children.
8. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
9. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy duty tool.
10. **WEAR PROPER APPAREL.** No loose clothing or jewelry to get caught in moving parts. Rubber gloves and footwear are recommended when working outdoors.
11. **USE SAFETY GLASSES** with most tools. Also face or dust mask if cutting operation is dusty.
12. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
13. **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
14. **DON'T OVERREACH.** Keep proper footing and balance at all times.
15. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp at all times, and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
16. **DISCONNECT TOOLS.** When not in use, before servicing; when changing accessories such as blades, bits, cutters, etc.
17. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
18. **AVOID ACCIDENTAL STARTING.** Don't carry plugged-in tool with finger on switch.

## GROUNDING

EVERY ELECTRIC TOOL SHOULD BE GROUNDED while in use to protect the operator against shock. This unit is equipped with approved 3-conductor cord and 3-blade grounding type attachment plug to be used with the proper grounding type receptacle. The green colored conductor in the cord is the grounding wire. Never connect the green wire to a "live" terminal. If your unit requires less than 150 volts, it has a plug that looks like fig. "A". A special grounding adapter (Fig. "B") is available from your dealer to permit using 2-wire receptacle until the correct receptacle is properly installed. The green grounding wire extending from the side of the adapter must be connected to a **PERMANENT GROUND** such as a properly grounded outlet box. If the unit requires from 150 to 250 volts it has a plug like Figure "C". No adapter is available and it should be used in the proper standard matching 3-wire grounding receptacle.



## SWITCH

The Variable Speed Trigger Switch permits "FREE HAND" speed control — the farther the trigger is depressed, the higher the R.P.M. of the Drill. A Switch Locking Button permits locking the trigger in the full "ON" position for continuous operation, or when using the Drill in a Vertical Stand. To lock the trigger "ON," depress trigger fully and push in locking button, then gently release trigger. To release locking mechanism, depress trigger fully, then release it.

**NOTE:** Use lower speeds for STARTING HOLES WITHOUT A CENTER PUNCH, DRILLING IN METAL OR PLASTICS, DRIVING SCREWS, DRILLING CERAMICS, OR MIXING PAINT. Higher speeds are better for DRILLING WOOD AND COMPOSITION BOARDS, AND FOR USING ABRASIVE AND POLISHING ACCESSORIES.

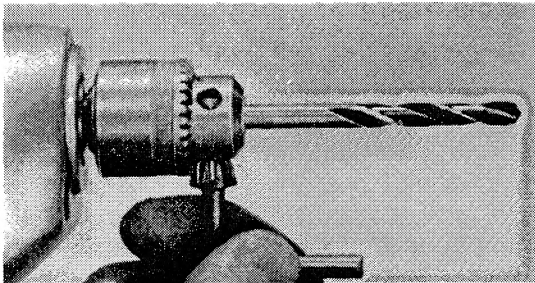
## CABLE

The cable is the life-line of your tool. Keep it clean by wiping occasionally to remove any grease or oil. Don't let it become kinked. Avoid dragging it across sharp surfaces. Do not lift the tool by the cable.

When using the tool at a considerable distance from power source, a properly grounded extension cable of adequate size must be used to prevent loss of power and over-heating. Use table at right for 115 Volt tools. For 220 tools, use wire size of  $\frac{1}{2}$  the contemplated cable length.

Ext. cable length						
in feet .....	25	50	75	100	150	200
Required wire size						
(A.W.G.) in cable..	18	18	18	18	16	16

## DRILLING



### INSERTING DRILL BIT IN CHUCK

Turn collar to open chuck jaws. Place bit in chuck so that end rests on chuck bottom. Tighten chuck collar by hand. Place chuck key in each of the three holes, and tighten in clockwise direction. It's important to tighten chuck with all three holes. This is a safety feature that prevents bit slippage and motor damage. To release bit, turn chuck key counter-clockwise in just one hole, then loosen chuck by hand.

**STARTING THE HOLE** — WITH A VARIABLE SPEED DRILL, using a slow speed will enable you to start the hole accurately in most cases without the need for center punching.

### CARE IN DRILLING

Twist drills are brittle and will break if enough bending stress is applied. To avoid stress on the drill bit, try extending your index finger along the side of the drill-housing with your middle finger on the trigger. Remember—guide, the tool, don't force it! Should the tool become overheated, run it with no load. Because of the drill's construction, it will cool faster running than by stopping it.

### DRILLING IN METAL

Use a cutting lubricant when drilling metals. The exceptions are iron and brass which should be drilled dry. The cutting lubricants that work best are sulphurized cutting oil or lard oil; bacon grease will also serve the purpose. Aluminum is best drilled with turpentine or kerosene.

### DRILLING IN WOOD

Holes in wood can be made with the same twist drills used for metal. These bits may overheat unless pulled out frequently to clear chips from the flutes. Work that is apt to splinter should be backed up with a block of wood. Let up on the pressure just before the tip cuts through, this will give a good clean hole.

**TO REMOVE THE CHUCK** — Place the chuck key in one of the holes in the chuck. Strike the key sharply with a piece of wood in the direction that the chuck normally rotates. This will loosen the chuck so that it can be unscrewed by hand.

## GUARANTEE

**Black & Decker** will correct, without charge, any defect **AT ANY TIME** which, upon examination at one of our Factory Service Branches, Authorized Service Stations, or Factories, is found to be due to faulty material or workmanship. The guarantee does not apply in cases of misuse or careless handling or where repairs or replacements have been made or attempted by others. Any transportation charges for delivering the unit for examination must be prepaid.

## IF THE TOOL WON'T RUN

First, check the outlet by plugging in another tool or lamp. If these don't work, check the service panel for blown fuses. If current is present, check plugs and sockets for tight fits. If there is something wrong with the tool, don't attempt any major repair on your own. Take it or send it to the nearest Service location shown below for repair. A free parts diagram of your B&D tool is available by writing the Black & Decker Factory Service Center nearest you.

## FACTORY SALES & SERVICE BRANCHES



	Area Code	Telephone No.		Area Code	Telephone No.
ALABAMA: Birmingham 35233, 1717 Third Ave., South...	205	324-6691	NEW MEXICO: Albuquerque 87110, 4700 Lomas Blvd, N.E.	505	265-6401
ARIZONA: Phoenix 85004, 537 E. McDowell Rd.	602	AL 8-1332	NEW YORK: Buffalo 14209, 881 W. Delevan Ave.	716	TT 4-6220
ARKANSAS: Little Rock 72201, 519 West Seventh Street	501	FR 2-3040	New York 10462, 1894 E. Tremont Avenue (Bronx)	212	SY 2-2700
CALIFORNIA: Anaheim 92802, 1235 So. Euclid Ave.	714	772-4050	New York 10014, 227 Varick St. (Manhattan)	212	WA 9-6450
Los Angeles 94007, 2432 S. Broadway	213	RI 9-0371	New York 11377, 56-15 Queens Blvd. (Woodside)	212	DE 5-1042
Oakland 94606, 1107 E. 14th St.	415	TE 4-5944	Rochester 14620, 476 Clinton Ave., S.	716	454-3814
Sacramento 95814, 1915 Seventeenth Street	916	444-3188	Syracuse 13224, 2140 Erie Blvd., E.	315	446-3086
San Diego 92105, 3811 El Cajon Blvd.	714	AT 1-3331	NORTH CAROLINA: Charlotte 28206, 1710 N. Graham St.	704	FR 5-3721
San Francisco 94080, 1139 Airport Blvd.	415	871-7278	Fayetteville 28306, P.O. Box 4305, Highway 301, S.	919	425-1181
Santa Clara 95050, 2291 The Alameda	408	241-9162	Greensboro 27403, 1008 W. Lee Street	919	275-0906
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Orlando 32806, 940 So. Orange Ave.	305	423-1651	Solon 44139, 6225 Cochran Road	216	CH 8-5330
Tampa 33609, 3041 J. F. Kennedy Blvd.	813	839-5323	Toledo 43606, 2629 W. Central Ave.	419	475-6771
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INDIANA: Evansville 47708, 931 Bond Street	812	425-4269	Pittsburgh 15232, 5437 Baum Blvd.	412	362-2700
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IOWA: Des Moines 50312, 2811 Ingersoll Ave.	515	CH 4-7257	SOUTH CAROLINA: Greenville 29601, 407 Pendleton St.	803	232-3038
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MISSOURI: Kansas City 64108, 2705 McGee Trafficway	816	HA 1-1493	Richmond 23222, 1424 Chamberlayne Ave.	703	649-9245
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			WISCONSIN: Milwaukee 53213, 6301 Blue Mound Road	414	GR 6-7800

### BLACK & DECKER MFG. CO., Limited, Canada

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EDMONTON, ALBERTA	11440 Ave.—142 Street
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